

Title (en)
TRANSMISSION DAMPER DISC FOR MOTOR VEHICLE

Publication
EP 0236159 B1 19890426 (FR)

Application
EP 87400111 A 19870119

Priority
FR 8600854 A 19860122

Abstract (en)
[origin: US4747801A] A damper-type flywheel comprises a first part on which are two spaced annular flanges and a second part coaxial with the first part, the first and second parts being rotatable relative to each other. There is a flange assembly comprising at least one annular flange on the second part disposed between the annular flanges on the first part. A friction device is operative between the first and second parts for relatively small amounts of relative displacement between them. At least two circumferentially acting spring members are operative between the first and second parts in conjunction with this friction device for relatively large amounts of relative displacement between them. Openings in the annular flanges of the first part accommodate these spring members. Arms on the flange assembly of the second part cooperate with the spring members. A spring centering device is provided between the first and second parts so that, in an inoperative configuration of the flywheel, there is clearance in each circumferential direction between the spring members and the arms. At least one circumferential spacer is disposed circumferentially between two of the spring members and bears circumferentially on these two spring members. The spring centering device is operative between the flange assembly and the spacer.

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F16D 13/70; F16F 15/12

IPC 8 full level
F16F 15/12 (2006.01); **F16F 15/133** (2006.01); **F16F 15/134** (2006.01); **F16F 15/139** (2006.01); **F16F 15/30** (2006.01)

CPC (source: EP US)
F16F 15/1343 (2013.01 - EP US); **F16F 15/13446** (2013.01 - EP US)

Citation (examination)
DE 2931423 A1 19800214 - TOYOTA MOTOR CO LTD [JP], et al

Cited by
FR2792690A1; DE102007022891A1; DE102016000853A1; FR2694356A1; DE3607751A1; DE3807133A1; GB2282210A; GB2282210B; WO2008138461A1; DE102012220272A1; EP3199829A1; EP1621796B2

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